

**ENCAUSTIC, VENETIAN, and other PATENT TILES and MOSAIC PAVEMENTS** may be purchased at MITTON and Co.'s warehouse, 5, Albion-place, Surrey side of Blackfriars-bridge.—Wyatt, Parker, and Co., Agents. The above tiles have lately been considerably reduced in price.

N.B. An assortment of plain and ornamental door furniture, sials, and tiles for fire-places, &c.

#### ORNAMENTAL TILES FOR COVERING BUILDINGS.

**ROBERT BROWNE'S** newly-invented **CURVED ITALIAN TILES**, for which invention the Society of Arts and Sciences awarded a medal. The Gothic Grooved Ridge Tile, with vertical ornaments, invented by R. B. in 1846; also a variety of plain Gothic Ridge Tiles adapted for tile or slate covering; ornamental Plain Tiles of various patterns.

These form in winter a warmer and in summer a cooler covering than slate or metal, and may be burnt of any desired colour. Address **ROBERT BROWN, Tile Works, Surbiton Hill, near Kingston, Surrey.**

#### DAVEY'S PATENT SLATE RIDGES

**DAVEY'S** are very superior in appearance to lead, as well as more durable and much cheaper, and are admitted to be the most valuable articles for the purposes hitherto invented. They consist of two side pieces and a roll, either united together to form one solid piece, or in separate parts, and in lengths of from four to six feet. The roll is made of various sizes perfectly suited to the strongest way of the slate. They may be purchased of the patentee, **W. DAVEY, Head Quay, Bath**, or of any slate dealer in London or the country. Parties ordering a cargo of roofing slates may procure these ridges at the cheapest rate from **MR. JAMES WYATT, Port Pearson, Glasgow** (where they are manufactured), or of whom and of the patentee further particulars and prices may be obtained.—His particular to order **DAVEY'S** Patent.

#### HIP TILES to suit slate roofs in colour;

Ridges, with plain or rebated joints, roll tops, and vertical ornaments; drains, many sizes, with plain or socket joints; paviors in squares, hexagons, octagons, &c., different colours; roofing, in Greenish or Italian style, other devices also, or plain; condenses, which do not injure pure water; fire-bricks and tiles; chimneys, and out-door paving; sundry wall-coping, garden-borders, chimney-tops; also tubular and other forms of peculiar material. No agent, but a depot at **21, WHITEFRIARS-STREET, FLEET-STREET, LONDON**, under Mr. PEAK'S personal care, to supply genuine **TERRAZZO-METALLIC** woods at fair prices as per quality; also, additional stock at No. 2, Wharf, Manchester-street, South, City Basin.

The **TILEMEN, TUNSTALL, STAFFORDSHIRE**, are near the centre of England, whence boats are sent direct to any inland place; or to the Mersey for the coast, the colonies, and elsewhere.

#### PAVING, 2s. 6d. PER SQUARE YARD

Basements, Foot walks, Main houses, Corn Stores, Floors of Warehouses, and every description of pavement laid down at the above low price, and the work guaranteed.—Apply to **JOHN WILKINSON, POLICE-OFFICE, 15, WHARF-ROAD, CITY-ROAD**—N.B. Country Agents and Railway Engineers and Contractors supplied with the best bitumen at 7s. 6d. per ton.

#### TO ARCHITECTS.

**IN** consequence of many complaints having been made to the Company, by Architects, of a spurious material having been used in the execution of Works where the **SEYSSSEL** name is used, the Directors of the Company, with a view to ensure the fulfilment of any such specifications, have authorised **CERTIFICATES** to be granted to Builders where the

#### SEYSSSEL ASPHALTE

has been used. For the purpose of securing the use of the Genuine Article, Architects and others are recommended to insert in their specifications the "**Seysssel Asphalt**, the name of the Patent, and not merely "**Asphalt**," or "**Bitumen**," as in many cases where these terms have been used, gas-tar and other worthless and offensive compositions have been introduced. **J. FARRELL, Secretary, Stangate, near Westminster** **Seysssel Asphalt Company, Binder, Jan., 1845.**

Books of Instructions for Use may be had at the Office of "The Builder," and of all Booksellers in Town and Country, price 1s.

As in proof of the necessity of the above advertisement, it may be mentioned that it has come to the knowledge of the Directors, that certain works which have been executed by Messrs. CURTIS, Builders, of Stamford, a spurious material has been used by them, contrary to the specifications, which expressly mentioned, that "**Claridge's Asphalt**" was to be used.

Also on the case of a work at Leamington executed by Messrs. ROBERT and DANIEL YOUNG, of 10, Crown-road, Waltham-road, where **Seysssel Asphalt** was specified for a spurious article was nevertheless laid down by them.

#### TO ARCHITECTS, BUILDERS, &c.

**GAS LAMPS, GAS BRACKETS, GAS PILLARS, BURNERS, &c.** In calling the attention of architects, builders, &c., to their assortment of gas Furniture to general, C. DEKATER and SON respectfully announce they continue to fit up premises of every description on the most approved and newest system of gas fitting. An experience of forty years justifies us in making the above assertion.—P.N. Country orders attended to with dispatch. 10 and 11, Creed-lane, St. Paul's.

#### WALLIS'S PATENT LIQUID WOOD

**KNOTTING.**—This newly-discovered liquid composition which Messrs. Gies and Thos. Wallis have the satisfaction of introducing into the trade, possesses the important qualification of effectually stopping Knots in Wood, however bad, and preventing them raising through and disfiguring the paint above.

Many substances have been used and much time spent in endeavouring to find a cure for a bad Knot, but hitherto without success. Messrs. Wallis therefore feel much pleasure in offering to the public an article so long and anxiously sought for.

In the application, skill is not required; it is put on to the work with a brush like common paint, can be used in all climates and situations, and does not require heat.

Sold wholesale and retail, by Messrs. O. and T. Wallis, Varnish, Japan, and Colour Manufacturers, No. 64, Long Acre. Price 7s. 6d. per gallon.

**IRON BRIDGES, PIERS, &c.** For the Numerous Explanation of Drawings of the PRINCIPLES, see the "Mechanics Magazine," No. 1172.

**THIS** system removes from the Arch to the horizontal line the horizontal force of the whole Bridge, which makes the roadway as powerful as the arch itself, and the arch, with half the material, more than double its original power. The pressure on the key-stones of the arch is the horizontal force of a Bridge, which acts directly on that point as a dead load of self-destruction, and has thrown down, within the last eighteen months, nearly sixty arches of Viaducts and Bridges.

**EXAMPLES.**—The Menai Bridge, whose depth is 1-14th of its length, and the suspended weight 800 tons, its horizontal force is 3,500 tons of self-destruction on the centre; hence it would require but a small portion of the material and cost of that bridge to construct one over the Menai Straits on this plan, that would possess far greater power and stability than the present structure.

This principle has been fully tested nearly ten years, by the construction of fifteen public bridges for the Government and others in Great Britain. It is also established in India. Bath, 2nd April, 1845.

#### SNOWELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS.

Manufactory, 90, Regent-street, and 131, Chancery-lane.

**THE** Patentee can confidently recommend these Shutters both for security and durability. The edges being sheathed with IRON, and the cost little more than common shutters, their construction is simple, that the largest establishment can be opened or closed in a few moments with the greatest possible ease without the use of machinery. Their superiority over other Revolving Shutters consists in being made without metal hinges, consequently cannot rust, break, or get out of order, and are equally safe. **W. SNOWELL** will have much pleasure in giving reference to numerous establishments where they are fixed, having on all occasions given the greatest satisfaction.

#### REDUCTION IN THE PRICE OF BUNNETT AND CORPE'S PATENT REVOLVING IRON SHUTTERS.

**THE** validity of this Patent being completely established, the Patentee has much pleasure in stating that the very extensive demand, and the employment of improved machinery in the manufacture, have given them an opportunity (of which they gratefully avail themselves) of making a considerable reduction in the price of this well-known and tried invention, thereby rendering them the cheapest as well as the best iron shutters in use. Every improvement suggested by practical skill and most extensive application has been adopted, and no effective REVOLVING IRON SHUTTER can be constructed without infringing B. and C.'s patent. The worm and wheel, as patented by them, being the only safe, durable, and efficient mode of raising and lowering such shutters, these shutters can be applied horizontally, either above or below the window, or vertically, as introduced by **BUNNETT and CORPE**, in some of the largest establishments; they are made with bent or corrugated laths, if required.

**BUNNETT and CORPE** also manufacture REVOLVING WOOD SHUTTERS.

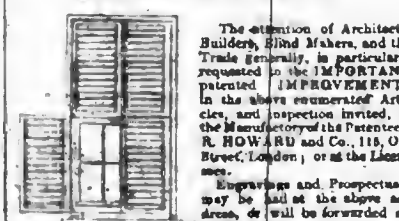
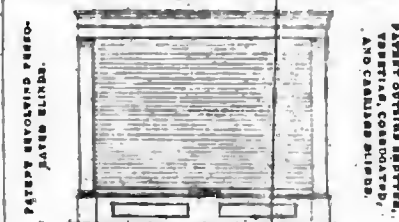
with their patent raising machinery, or with counterbalance weights, and with proper metal hinges, without which no shutters can be safe or durable.

**BUNNETT and CORPE** are likewise Patentees and Manufacturers of METALLIC, BRASS, BARN, MOULDING, &c. IN BRASS, COPPER, OR ZINC, FOR SHOP FRONTS, WINDOWS, SKYLIGHTS, AND VARIOUS OTHER PURPOSES.

Shop Fronts fitted in a superior manner, with Iron Shutters, Patent Brass or Zinc Sashes, Moulded Engaged Steel Board Fronts, best Plate Glass, and internal Brass Fixings of all kinds, on the most advantageous terms. Estimates given and contracts taken in Town or Country.—All kinds of metal works executed to any design. Metal Drawing, Rolling, and Stamping for the Trade. OFFICE: 60, LOMBARD-STREET, LONDON. WORKS, at DEPTFORD, KENT.

#### IMPROVED PATENT CONVEX IRON REVOLVING SAFETY SHUTTERS.

PATENT SAFETY IRON SLIDING SHUTTERS.



The great importance of STRENGTH and STIFFNESS in the Laths of REVOLVING IRON SHUTTERS, when required for security, is so obvious, that it is only necessary to point out the fact that the PATENT CONVEX LATHS ARE 15 TIMES STRONGER THAN THE ORDINARY FLAT LATHS (as shown by the engraving and prospectus), to ensure their general adoption.

REVOLVING IRON SHUTTERS, MADE OF THE COMMON TEST LATHS, ARE VERY CONSIDERABLE REDUCTIONS OF PRICE.

**CAUTION.**—The Patentee begs to caution all persons against Making or Using SHUTTERS FOR REVOLVING IRON SAFETY SHUTTERS, so as to obtain increased strength or stiffness; as they thereby render themselves liable to legal proceedings for infringing this patent. Licences Granted.

**BUILDERS and the PUBLIC** about putting in NEW WINDOWS or altering old ones, should inspect **HERRING'S** new PATENT SASH, before they go to any expense, which is universally being adopted in Town and Country.—Exhibited daily at the Patentees, 14, Kingsgate-street, Holborn, also at **JOHNSON and PASK'S**, Sash-makers.

#### SHOP FRONTS, SASHES AND FRAMES, DOORS, &c. MADE FOR THE TRADE.

**JOHNSON and PASK,**

1, ADELPHI-PLACE, Chancery-lane.

Beg to state that they continue to make Sashes, complete, at 10s. 6d. per foot; also, Shop Fronts to any design, and with the best British plate-glass. Every description of joinery on the lowest terms, and of the best materials and workmanship.

A full list of prices forwarded by return of post to any part of the country.

#### DUTY OF ORNAMENTAL WINDOW GLASS.

**CHARLES LONG** begs to inform his Friends and the Public, that he can now supply Ornamental Glass from 1s. 3d. per foot super, and borders from 9d. per foot, run; and having just built two of the largest Sashes in London, is enabled to execute extensive Orders with unprecedented dispatch, 1, King-street, Fortman-square.—Terms, Cash only.

#### BRITISH and FOREIGN SHEET GLASS for Horticultural purposes, &c.

may be had at **JAMES BROMLEY'S**, 315, Oxford-street, London, at the following reduced prices:—

In trays, containing about 250 feet, of course 11 in., at 4s. 6d. per foot, or fourth quality, 3d. per foot; ditto, 10 in. course, 3s. 6d.; ditto, fourth quality, 2d. 6d.; or cut to any size not exceeding 48 inches long by 18 inches wide at 4s. 6d. per foot extra. Also Microscopical Glass, French shades, Plate and Crown Window Glass.—A discount to the trade.

#### TO THE PLATE GLASS TRADE.

#### THE BIRMINGHAM PLATE AND CROWN GLASS COMPANY, "Registered,"

beg to inform the Trade and Public, that the extension of their Works at Smethwick, near Birmingham, being now complete, these Works, 141, Fleet-street, is now open for the Sale of their Crystal Plate Glass, which will be found to stand unrivalled by that of any other manufactory. They are also in a position to supply rough Plate of any substance for Skylights or Floorings on the shortest notice.—Orders addressed to **B. MOSS**, 141, Fleet-street, will be promptly attended to.

SASHES painted, glazed, and sent to any part of London at 6d. per foot.

#### BUILDERS, PAINTERS, GLAZIERS, &c.

and others, supplied with every article used in the trade upon the most advantageous terms.

FOREIGN SHEET 3d. per foot.

BRITISH CROWN 3d. per foot.

Coloured, and Ornamental Glass, Plated Crown, and Sheet Plate, for Shop fronts, Show-cases, &c. The largest stock of cheap Glass in London for HORTICULTURAL PURPOSES.

Dry, and Good Colours, of the best quality; Brushes, Driers, and every article used in the Trade Warranted.

VARNISHES and GENUINE WHITE LEAD.

MILLED LEAD IN SHEETS 2s. 6d. per cwt.; Lead Pipe 2s. 6d. per cwt.; Pumps, Water-closets, Basins, Brass-work, and all materials used by Plumbers.

For complete Lists, please Address to **R. COOKE, WINDOW GLASS, LEAD, and COLOUR WAREHOUSE**, 2, Prince-street, Leicester-square, London.

#### WINDOW GLASS, LEAD, VARNISH, and COLOUR MANUFACTORY.

Crown Window Glass, in squares under two feet, 4s. 6d. per foot; glazing, 3d. per foot; sheet glass, 4d. per foot; best white lead, 30s. per cwt.; second, 28s.; third, 26s. per cwt.; hand oil, 7s. 6d.; bottled oil, 3s. 6d.; turpentine, 3s. 6d.; fine oil varnish, 10s. per cwt.; copal, 11s.; body copal, 10s.; gold-leaf, 10s.; paper varnish, 10s.; linseed oil putty, 7s. 6d. per cwt.; 4s. 6d. per cwt.; patent driers, 4s. 6d. per cwt.; black paint, 7s. 6d. per cwt.; Oxford ochre, 12s. per cwt.; best putty water-color, 3s. 6d. per cwt.; brass cocks, 3s. 6d. each. Milled sheet lead, patent pipe, beer-machines, tapping-corks and brushes and colour of every description. Thomas Wilkinson, the manufacturer, now supply a much better article than most other houses. Address, **THOMAS WILKINSON**, 27, Bishopsgate-street Without, London.—Established upwards of 50 years.

#### OTTO MELODIST'S ROYAL ADELAIDE GALLERY.

Every evening at half-past Eight o'clock.—These admirable artists combine to delight crowded houses by the droilery of their presentation of negro life. The Concert conducted by Mr. A. Sedgwick. Vocalists—Miss Stuart and Mr. Binger. Also the virtuoso, Miss Palmer and Master White. A large model of a new method, invented by Mr. Austin, for obtaining the difficulties of the Break of Gauge on Railways. Minkel's Compendious Air Railway, Lecture on Chemistry, Microscope, Illustrations of the Chromatope daily. On Tuesday, Thursday, and Saturday, at Three o'clock, Major Brough's Lecture on Artificial Memory, and on Tuesday and Friday, a Lecture on Photography. Admission, 1s.

#### ROYAL POLYTECHNIC INSTITUTION.

**LECTURE.**—Dr. Ryan's new and interesting Lecture on the Chemistry and Philosophy of Diving, at half-past three daily, and on the Evenings of Monday, Wednesday, and Friday. Prof. Bachmann's Lectures on Natural Philosophy, with brilliant experiments, daily. Macintosh's Revolving Engine, Coleman's Patent Locomotive Engine, for ascending and descending inclined planes, and the Atmospheric Railway, the Atmospheric Railway, the Revolving Cutting Machine, all in action. New Dissolving Views. Pictures of distinguished men in the Government and Army of Lahore, illustrated by the Optical Microscope. The Oxygenated Microscope, exhibiting a fine Collection of Living Objects, &c. &c.—Admission, 2s.; Schools, Half-price.